

Application No. 10/525,516
Amendment dated March 28, 2006
Reply to Office Action of December 1, 2005

Docket No.: 21029-00285-US1

SUBSTITUTE ABSTRACT OF THE DISCLOSURE

A device for drying sludge originating in a waste water treatment plant is enclosed in a greenhouse having a floor for receiving a bed of sludge to be dried. The greenhouse employs solar energy. A spreader located in the greenhouse ensures that the sludge is spread over the floor and turned as it progresses along the drying device. Fans are positioned over the spreader to provide for the renewal of air present in said greenhouse. A controller controls start up and shut down of a drying cycle as well as automatic control of all motorized components in response to measurement of the temperature of the surface of the bed of sludge. The controller also takes into account the difference in temperature between the surface of the bed of sludge to be dried and the atmosphere present in the drying plant, equipment in the greenhouse only being started up when this temperature difference reaches a predetermined set point.

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